



## Material Content Data Sheet



<b>Sales Product Name</b>				IPW60R160P6		<b>Issued</b>		20. July 2018	
<b>MA#</b>				MA001341372					
<b>Package</b>				PG-TO247-3-44		<b>Weight*</b>		6049.23 mg	
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]	
chip	inorganic material	silicon	7440-21-3	9.747	0.16	0.16	1611	1611	
leadframe	non noble metal	iron	7439-89-6	0.530	0.01		88		
	inorganic material	phosphorus	7723-14-0	0.159	0.00		26		
	non noble metal	copper	7440-50-8	529.068	8.75	8.76	87460	87574	
wire	non noble metal	aluminium	7429-90-5	3.990	0.07	0.07	660	660	
encapsulation	organic material	carbon black	1333-86-4	19.978	0.33		3303		
	plastics	epoxy resin	-	379.575	6.27		62748		
	inorganic material	silicondioxide	60676-86-0	1598.212	26.42	33.02	264201	330252	
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5269	5269	
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4805	4805	
solder	non noble metal	antimony	7440-36-0	0.455	0.01		75		
	noble metal	silver	7440-22-4	1.136	0.02		188		
	non noble metal	tin	7440-31-5	2.955	0.05	0.08	488	751	
heatspreader	non noble metal	iron	7439-89-6	3.442	0.06		569		
	inorganic material	phosphorus	7723-14-0	1.033	0.02		171		
	non noble metal	copper	7440-50-8	3438.006	56.82	56.90	568338	569078	
*deviation	< 10%			Sum in total:		100.00		1000000	

### Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption

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